Performance Data Sheet

HGA2425ZXA

General Information

Model	HGA2425ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	1670	1520	1380	1230	1090	939	792
	Watts	337	375	414	453	491	531	570
	Amps	3.66	3.97	4.28	4.59	4.90	5.22	5.54
	Lb/h	28.7	27.6	26.5	25.4	24.3	23.1	21.8
-35	Btu/h	1940	1760	1590	1420	1240	1070	889
	Watts	350	391	432	473	514	556	598
	Amps	3.76	4.09	4.42	4.75	5.09	5.42	5.76
	Lb/h	32.7	31.5	30.3	29.1	27.9	26.6	25.2
-30	Btu/h	2240	2030	1830	1630	1420	1220	1010
	Watts	364	406	450	493	537	581	625
	Amps	3.87	4.22	4.57	4.92	5.27	5.62	5.98
	Lb/h	37.2	36.0	34.7	33.4	32.0	30.6	29.2
-25	Btu/h	2560	2330	2090	1860	1630	1400	1160
	Watts	377	422	467	513	559	606	652
	Amps	3.97	4.34	4.71	5.08	5.45	5.83	6.20
	Lb/h	42.4	41.1	39.7	38.3	36.8	35.3	33.8
-20	Btu/h	2910	2650	2390	2120	1860	1600	1330
	Watts	390	438	485	533	582	630	680
	Amps	4.08	4.47	4.86	5.25	5.64	6.03	6.43
	Lb/h	48.2	46.7	45.2	43.7	42.2	40.6	39.0
-15	Btu/h	3280	2990	2700	2410	2120	1820	1530
	Watts	403	453	503	554	604	655	707
	Amps	4.18	4.59	5.00	5.41	5.83	6.24	6.66
	Lb/h	54.5	53.0	51.4	49.8	48.2	46.5	44.8
-10	Btu/h	3680	3360	3040	2720	2400	2070	1750
	Watts	417	469	521	574	627	680	734
	Amps	4.29	4.72	5.15	5.59	6.02	6.46	6.89
	Lb/h	61.5	59.9	58.3	56.6	54.9	53.1	51.3
-5	Btu/h	4100	3750	3400	3050	2690	2340	1990
	Watts	430	484	539	594	650	705	761
	Amps	4.41	4.86	5.31	5.76	6.22	6.67	7.13
	Lb/h	69.1	67.4	65.7	64.0	62.2	60.3	58.4

0	Btu/h	4550	4160	3780	3400	3010	2630	2240
	Watts	443	500	557	614	672	730	788
	Amps	4.53	5.00	5.47	5.94	6.42	6.90	7.38
	Lb/h	77.4	75.6	73.8	72.0	70.1	68.2	66.3
5	Btu/h	5010	4600	4180	3770	3350	2940	2520
	Watts	456	515	575	635	695	755	816
	Amps	4.65	5.14	5.64	6.13	6.63	7.13	7.63
	Lb/h	86.4	84.5	82.6	80.7	78.8	76.8	74.8
10	Btu/h	5490	5050	4600	4160	3710	3260	2810
	Watts	469	531	593	655	717	780	843
	Amps	4.78	5.29	5.81	6.33	6.84	7.36	7.88
	Lb/h	96.0	94.1	92.1	90.2	88.2	86.1	84.0

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.605586E+03	-9.806508E+00	7.685184E-01	9.125301E+01
C2	1.397941E+02	-1.080751E+00	-9.246288E-03	1.845542E+00
C3	-3.834731E+01	5.688919E+00	4.718053E-02	-1.759925E-01
C4	4.599000E-01	-7.296717E-04	6.646300E-05	1.274258E-02
C5	-6.114568E-01	4.648296E-02	4.162309E-04	-1.573776E-03
C6	2.769435E-03	-9.283974E-04	-5.610132E-06	1.111227E-04
C7	-1.512284E-03	-2.266363E-05	1.045891E-06	1.957844E-05
C8	-6.520391E-04	-5.130403E-06	4.594808E-07	7.896345E-06
C9	-3.658714E-05	-4.510308E-09	2.455967E-08	4.264429E-07
C10	-1.709606E-05	7.284992E-06	4.053242E-08	-9.231592E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature